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- 1 1. (currently amended) A computer controlled display system
2 for tracking the development of complex software products
3 having a plurality of developmental lines comprising:
4 means for setting in each of said plurality of
5 developmental lines, a sequence of checkpoints;
6 means for tracking each of said developmental lines to
7 determine the reached checkpoints; and
8 means for simultaneously displaying said plurality of
9 developmental lines and indicating said reached checkpoints.
- 1 2. (original) The computer controlled display system of
2 claim 1 further including:
3 means for modifying said developmental lines and said
4 checkpoints; and
5 means for displaying said modifications.
- 1 3. (original) The computer controlled display system of
2 claim 2 further including means for displaying at each of
3 said checkpoints, a set of developmental attributes for said
4 checkpoint.
- 1 4. (original) The computer controlled display system of
2 claim 3 further including:
3 means for modifying said developmental attributes for
4 each of said checkpoints; and
5 means for displaying said modifications at each of said
6 checkpoints.
- 1 5. (original) The computer controlled display system of
2 claim 3 wherein said developmental attributes include
3 actions performed in said software product development.

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1 6. (original) The computer controlled display system of
2 claim 5 wherein said means for modifying said actions switch
3 said actions to other of said developmental lines.

1 7. (original) The computer controlled display system of
2 claim 2 wherein:
3 said means for tracking are remote from said means for
4 displaying,
5 and said system further includes:
6 means for storing, in association with said means for
7 displaying, the data tracked by said means for tracking; and
8 means for communicating the data tracked to said means
9 for storing.

1 8. (currently amended) A method for tracking the development
2 of complex software products having a plurality of
3 developmental lines on a computer controlled display
4 comprising:
5 setting in each of said plurality of developmental
6 lines, a sequence of checkpoints;
7 tracking each of said developmental lines to determine
8 the reached checkpoints; and
9 simultaneously displaying said plurality of
10 developmental lines and indicating said reached checkpoints.

1 9. (original) The method for tracking of claim 8 further
2 including the steps of:
3 modifying said developmental lines and said
4 checkpoints; and
5 displaying said modifications.

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1 10. (original) The method for tracking of claim 9 further
2 including the step of displaying at each of said
3 checkpoints, a set of developmental attributes for said
4 checkpoint.

1 11. (original) The method for tracking of claim 10 further
2 including the steps of:
3 modifying said developmental attributes of a plurality
4 of said checkpoints; and
5 displaying said modifications at each of said modified
6 checkpoints.

1 12. (original) The method for tracking of claim 10 wherein
2 said developmental attributes include actions performed in
3 said software product development.

1 13. (original) The method for tracking of claim 12 wherein
2 said step of modifying said actions switches said actions to
3 other of said developmental lines.

1 14. (original) The method for tracking of claim 9 wherein:
2 said step of tracking is carried out remote from said
3 displaying step,
4 and further including the steps of:
5 storing, in association with said displaying step, the
6 data tracked in said tracking step; and
7 communicating the data tracked to said storing step.

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- 1 15. (currently amended) A computer program having code
2 recorded on a computer readable medium for tracking, on a
3 computer controlled display, the development of complex
4 software products having a plurality of developmental lines
5 comprising:
6 means for setting in each of said plurality of
7 developmental lines, a sequence of checkpoints;
8 means for tracking each of said developmental lines to
9 determine the reached checkpoints; and
10 means for simultaneously displaying said plurality of
11 developmental lines and indicating said reached checkpoints.
- 1 16. (original) The computer program of claim 15 further
2 including:
3 means for modifying said developmental lines and said
4 checkpoints; and
5 means for displaying said modifications.
- 1 17. (original) The computer program of claim 16 further
2 including means for displaying at each of said checkpoints,
3 a set of developmental attributes for said checkpoint.
- 1 18. (original) The computer program of claim 17 further
2 including:
3 means for modifying said developmental attributes for
4 each of said checkpoints; and
5 means for displaying said modifications at each of said
6 checkpoints.
- 1 19. (original) The computer program of claim 17 wherein said
2 developmental attributes include actions performed in said
3 software product development.

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1/ 20. (original) The computer program of claim 19 wherein said
2 means for modifying said actions switch said actions to
3 other of said developmental lines.

1 21. (original) The computer program of claim 16 wherein:
2 said means for tracking are remote from said means for
3 displaying,
4 and said system further includes:
5 means for storing, in association with said means for
6 displaying, the data tracked by said means for tracking; and
7 means for communicating the data tracked to said means
8 for storing.

1 22. (currently amended) A computer controlled display system
2 for tracking the building of a program product from a
3 functional implementation stage to a complete integrated
4 program product comprising:
5 a plurality of developmental lines respectively
6 corresponding to each of a plurality of program components
7 to be integrated into said complete program product;
8 means for setting in each of said plurality of
9 developmental lines, a sequence of checkpoints;
10 means for tracking each of said developmental lines to
11 determine the reached checkpoints; and
12 means for simultaneously displaying said plurality of
13 developmental lines and indicating said reached checkpoints.

1 23. (original) The computer controlled display system of
2 claim 22 further including means for displaying at each of
3 said checkpoints, a set of attributes for said checkpoint
4 related to the compatibility functions of said checkpoint
5 line.

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1 24. (original) The computer controlled display system of
2 claim 23 further including:

3 means for modifying said attributes for each of said
4 checkpoints; and

5 means for displaying said modifications at each of said
6 checkpoints.

1 25. (currently amended) A method for tracking, on a computer
2 controlled display, the building of a program product from a
3 functional implementation stage to a complete integrated
4 program product comprising:

5 setting up a plurality of developmental lines
6 respectively corresponding to each of a plurality of program
7 components to be integrated into said complete program
8 product;

9 setting up in each of said plurality of developmental
10 lines, a sequence of checkpoints;

11 tracking each of said developmental lines to determine
12 the reached checkpoints; and

13 simultaneously displaying said plurality of
14 developmental lines and indicating said reached checkpoints

1 26. (original) The method for tracking of claim 25 further
2 including the step of displaying at each of said
3 checkpoints, a set of attributes for said checkpoint related
4 to the compatibility functions of said checkpoint line.

1 27. (original) The method for tracking of claim 26 further
2 including the steps of:

3 modifying said attributes for each of said checkpoints,
4 and

5 displaying said modifications at each of said
6 checkpoints.

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1 28. (currently amended) A computer program having code
2 recorded on a computer readable medium for tracking, on a
3 computer controlled display, the building of a program
4 product from a functional implementation stage to a complete
5 integrated program product comprising:

6 means for tracking a plurality of developmental lines
7 respectively corresponding to each of a plurality of program
8 components to be integrated into said complete program
9 product;

10 means for setting in each of said plurality of
11 developmental lines, a sequence of checkpoints;

12 means for determining the reached checkpoints in each
13 of said plurality of developmental lines; and

14 means for simultaneously displaying said plurality of
15 developmental lines and indicating said reached checkpoints.

1 29. (original) The computer program of claim 28 further
2 including means for displaying at each of said checkpoints,
3 a set of attributes for said checkpoint related to the
4 compatibility functions of said checkpoint line.

1 30. (original) The computer program of claim 29 further
2 including:

3 means for modifying said attributes for each of said
4 checkpoints; and

5 means for displaying said modifications at each of said
6 checkpoints.

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31. (newly added) A method for tracking the development of complex software products having a plurality of developmental lines on a computer controlled display comprising:

setting in each of said plurality of developmental lines, a sequence of checkpoints;

tracking each of said developmental lines to determine the reached checkpoints;

modifying said developmental lines and said checkpoints including the switching of an action required at the checkpoint to a checkpoint in another developmental line;

simultaneously displaying, remote from said tracking, said plurality of developmental lines indicating said reached checkpoints, and modifications to said developmental lines and said checkpoints;

storing, in association with said displaying step, the data tracked in said tracking step; and

communicating the data tracked to said storing step.

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